



Mark Lawlor

Kansas Wind & Renewable Energy Conference October 7, 2009

Horizon Wind Energy Overview



Who We Are

Horizon Wind Energy develops, constructs, owns and operates wind farms throughout North America

Currently part of EDP Renovaveis, a worldwide leading renewable energy company
Originally Zilkha Renewable Energy, was renamed Horizon Wind Energy in 2005

Over 250 employees, headquartered in Houston or in regional offices in New York, Oregon, California, Colorado, Minnesota, Illinois and Kansas

Has developed over 2500 MW of wind farms and currently operates over 2000 MW

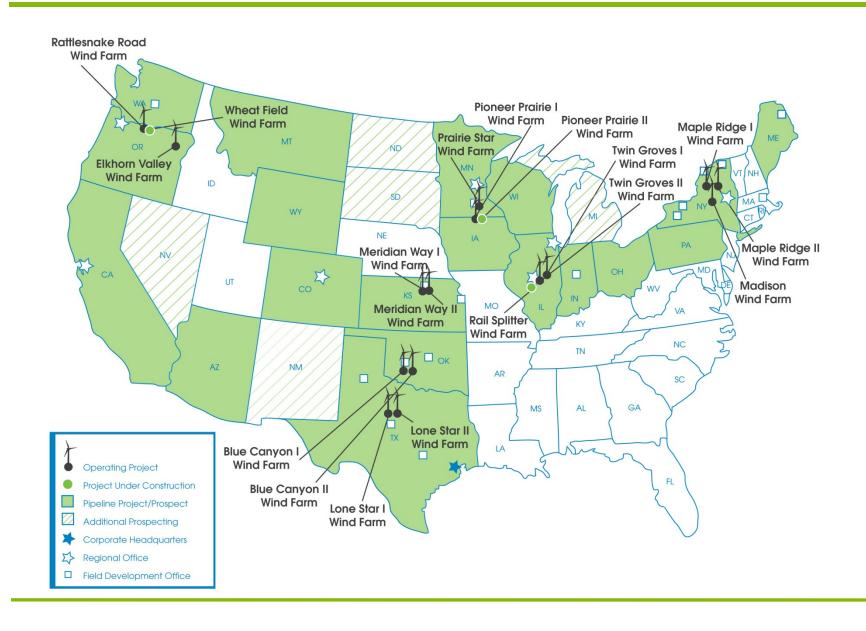
Ranked #3 by wind energy installed capacity in 2007

Ranked #2 by commissioned wind energy capacity during 2007



Horizon was trongs

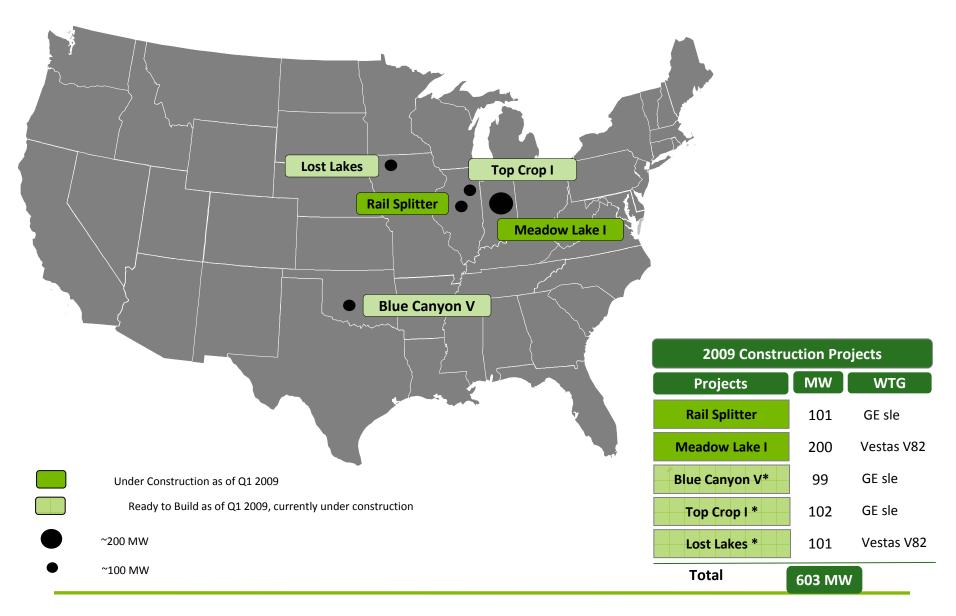
Horizon Wind Energy Geographical Presence



Horizon has 603 MW in construction, slated for completion in 2009



Once completed Horizon will have 2,860 MW operational in 9 States





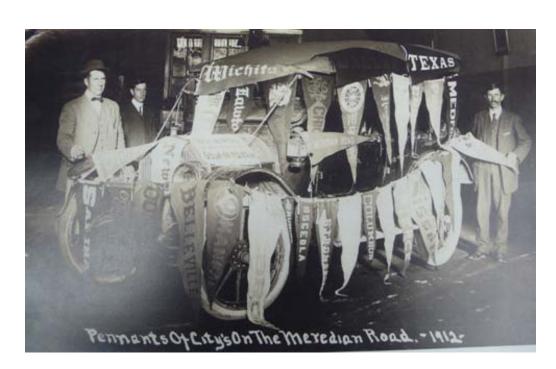
Meridian Way Wind Farm - Cloud County Kansas



Name Origin

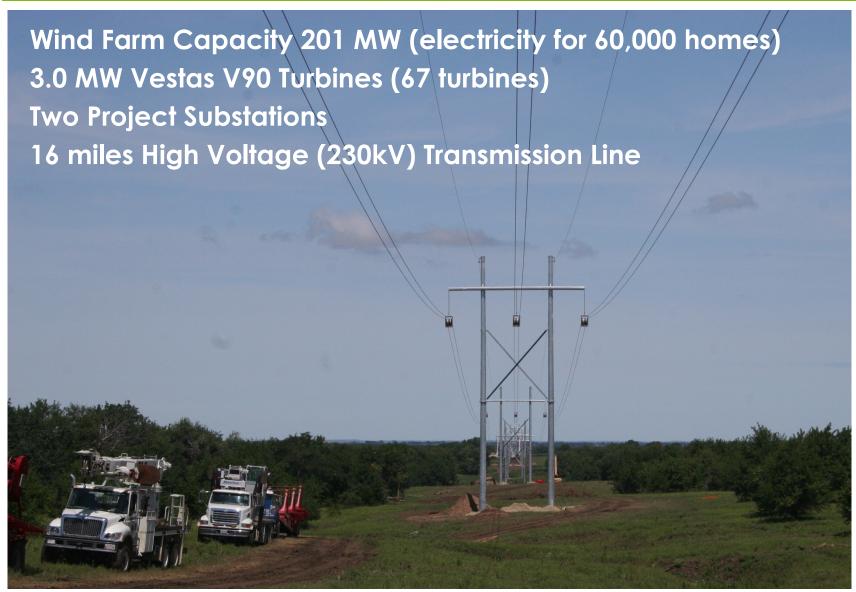


- Meridian Road Associationest. 1911 by group of "good roads" boosters
- •Ran from Canada to Mexico
- •6th Prime Meridian
- •Meridian: A point or period of highest development, greatest prosperity, or the like.





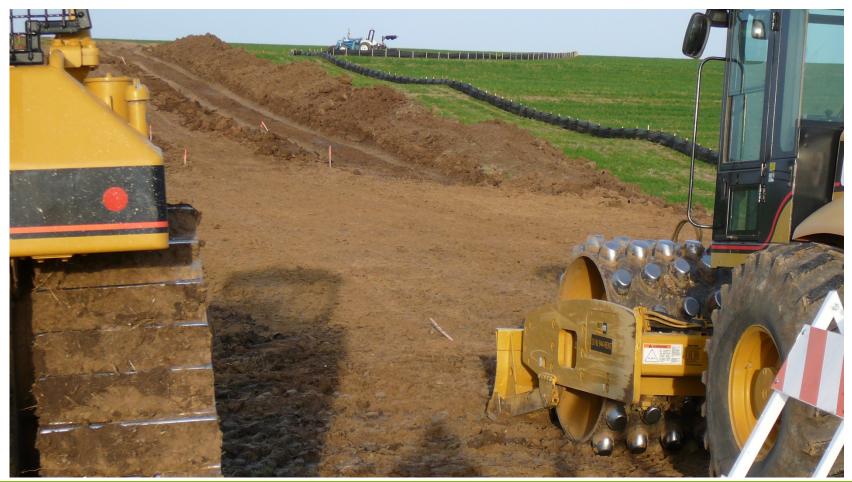
Meridian Way Wind Farm Phase I and II





Civil Engineering...roads

- 16 miles County Road improvements
- 22 miles Turbine access roads



























Hydraulic Crane







Crane technology







Substation





Substation





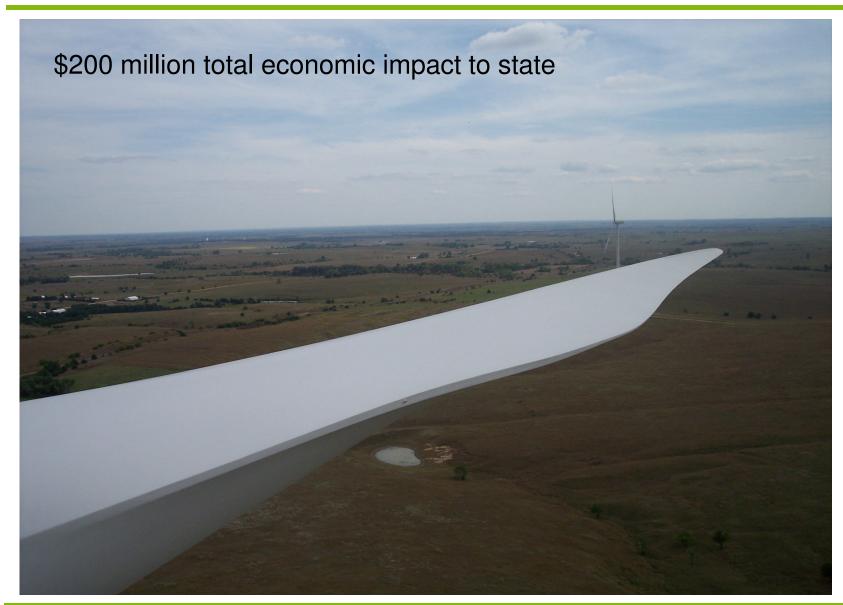
Meridian Way Wind Farm











Sobs and Economic Impacts from the JEDI Mode

1,000 MW of New Wind Power in Kansas

JEDI Model Version W1.09.03e

Wind energy's economic "ripple effect"

Project Development & Onsite Labor Impacts

Landowner Revenue:

•\$3 million/year

Local Property Taxes:

\$2.9 million/year

Construction Phase:

- 514 new jobs
- •\$35.8 million to local economies

 Operational Phase:
- •51 new jobs
- \$3 M/year to local economies

Local Revenue, Turbine, & Supply Chain Impacts

Construction Phase:

- •3,536 new jobs
- \$401.7 million to local economies

Operational Phase:

- •81 new jobs
- \$12.8 million/year to local economies

Induced Impacts

Construction Phase:

- 1,277 new jobs
- •\$127.1 million to local economies

Operational Phase:

- •54 new jobs
- \$5.3 million/year to local economies

Totals (construction + 20 years)

Total economic benefit: \$987 million New local jobs during construction: 5,327 New local long-term jobs: 186

Construction Phase = 1-2 years Operational Phase = 20+ years

Kansas – Economic Impacts from 7158 MW of new wind development



Wind energy's economic "ripple effect"

Direct Impacts

Payments to Landowners:

• \$20.8 million/year

Local Property Tax Revenue:

• \$19 million/year

Construction Phase:

- 11,133 new construction jobs
 - \$1.35B to local economies Operational Phase:
 - 1805 new long-term jobs
- \$152M/vr to local economies

Indirect Impacts

Construction Phase:

- 5,000 new jobs
- \$424M to local economies

Operational Phase:

- 438 local jobs
- \$43 M/yr to local economies

Induced Impacts

Construction Phase:

- 6,223 new jobs
- \$559 M to local economies

Operational Phase:

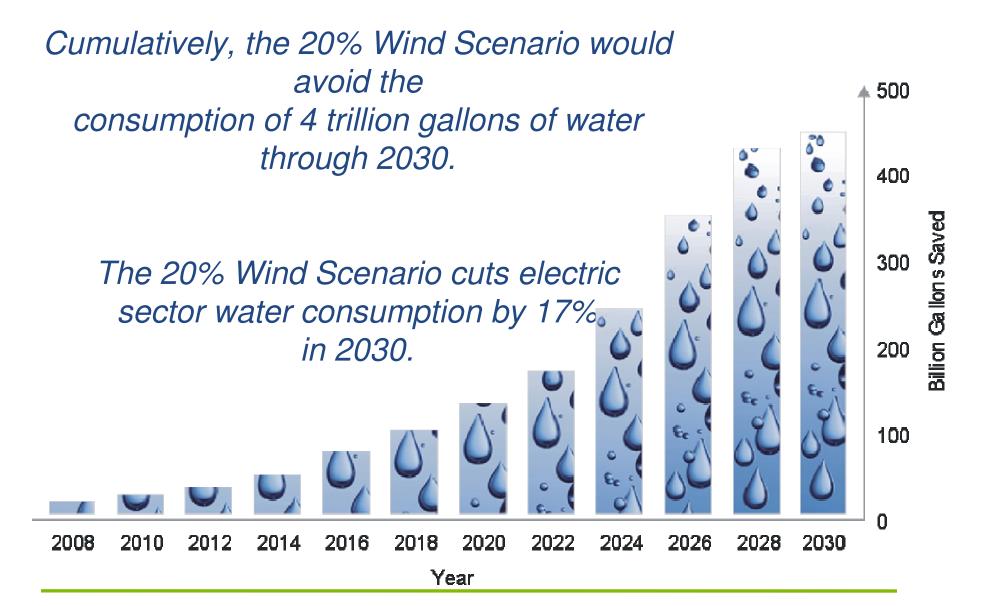
- 850 local jobs
- \$76 M/yr to local economies

Totals (construction + 20 yrs)

Total economic benefit to Kansas = \$7.8 billion New local jobs during construction = over 23,000 New long-term jobs for Kansans = over 3,000

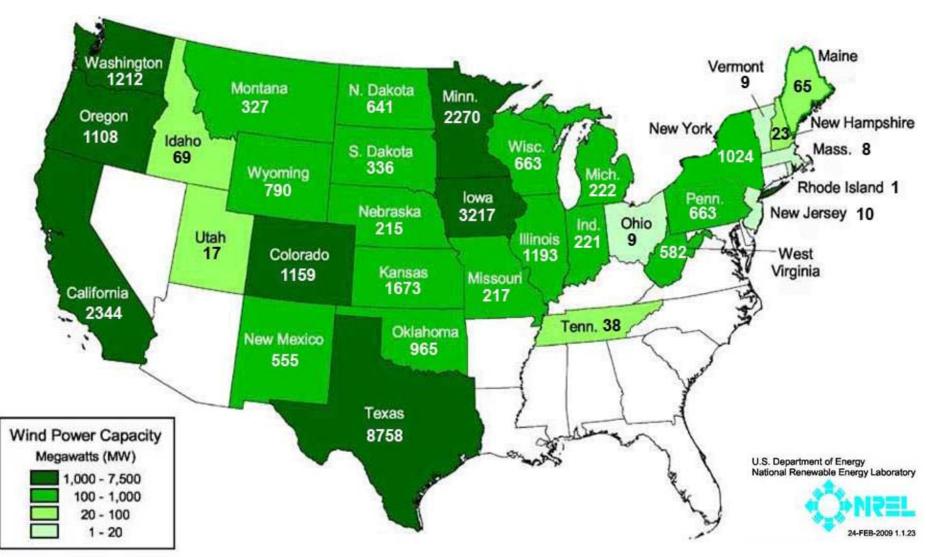
Significant Water Use Savings





Annual Water Savings (millions of gallons) from Currently Installed Wind Power Capacity





In areas of water scarcity, wind energy could offer the opportunity of meeting increasing energy needs without increasing demands for water resources.

Q&A



